



Environmental Public Health Tracking Conference

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Asthma and Related Environmental Data *Plenary and Concurrent Session Abstract Form*

Moderator:

W. Randolph Daley, DVM, MPH, Dipl. ACVPM, Epidemiologist, Environmental Health Tracking Branch, CDC

Presenters:

Jeanne Moorman, MS, Survey Statistician, Air Pollution and Respiratory Health Branch, CDC

Asthma surveillance at the national level

Karin Yeatts, PhD, Research Assistant Professor, Department of Epidemiology, and Center for Environmental Medicine, Asthma, and Lung Biology, University of North Carolina at Chapel Hill

Tracking asthma and wheezing-related school and parental work absences

Amy J. Lay, MPH, Epidemiologist, Environmental Health Epidemiology Unit, New Mexico Department of Health

Development of an asthma-air quality data linkage tool

Francis P. Boscoe, PhD, Research Scientist, Bureau of Environmental and Occupational Epidemiology, New York State Department of Health

An air quality and childhood asthma surveillance system for New York state: preliminary design considerations

Paul Rathouz, PhD, Assistant Professor, Department of Health Studies and Center for Integrating Statistical and Environmental Sciences, University of Chicago

Modeling effects of air pollution on acute asthma outcomes in Chicago

Session Abstract:

This session will include presentations describing methods currently used to conduct asthma surveillance on the state and national level, including the use of survey data and healthcare provider records. Strength and limitations of these methods will be discussed. Projects developing new techniques to conduct asthma surveillance and integrate this information with environmental data will be presented. Presentations will include projects on school-based asthma surveillance, linking air quality data with asthma data, and statistical methodologies to model spatial and longitudinal data on asthma and ozone. Open discussion will follow on the utility of asthma surveillance and linkage techniques for environmental factors as a component of an environmental public health tracking network.

Learning Objectives:

After attending this session, the participant will be able to:

1. Describe current asthma surveillance methods used at the state and national level
2. Identify strengths and weaknesses in asthma surveillance
3. Discuss innovative methods being developed to track asthma and related environmental factors.